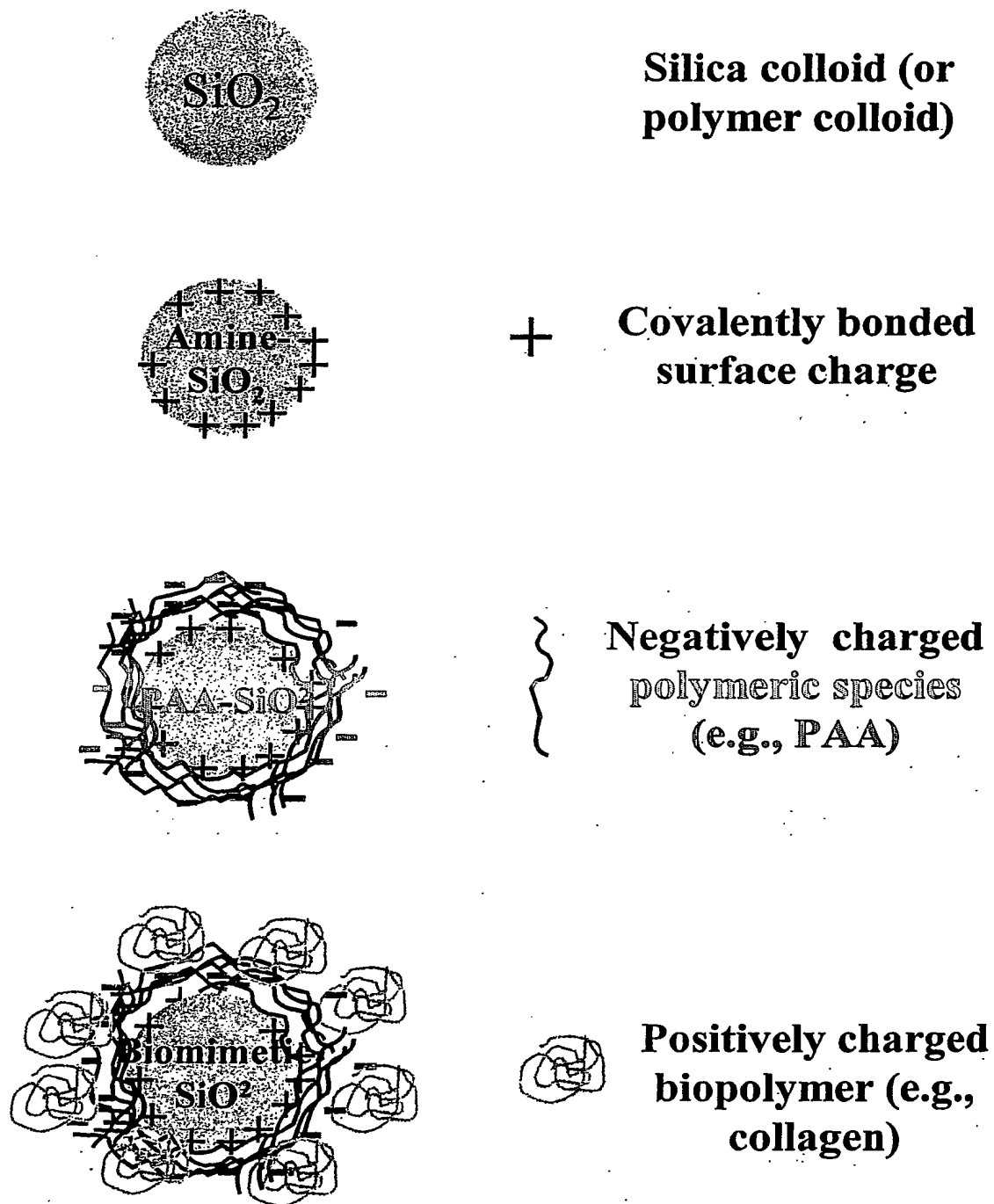


FIG. 1

## Flow Chart for Biomimetic Assembly on Nanoparticles



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FIG. 2

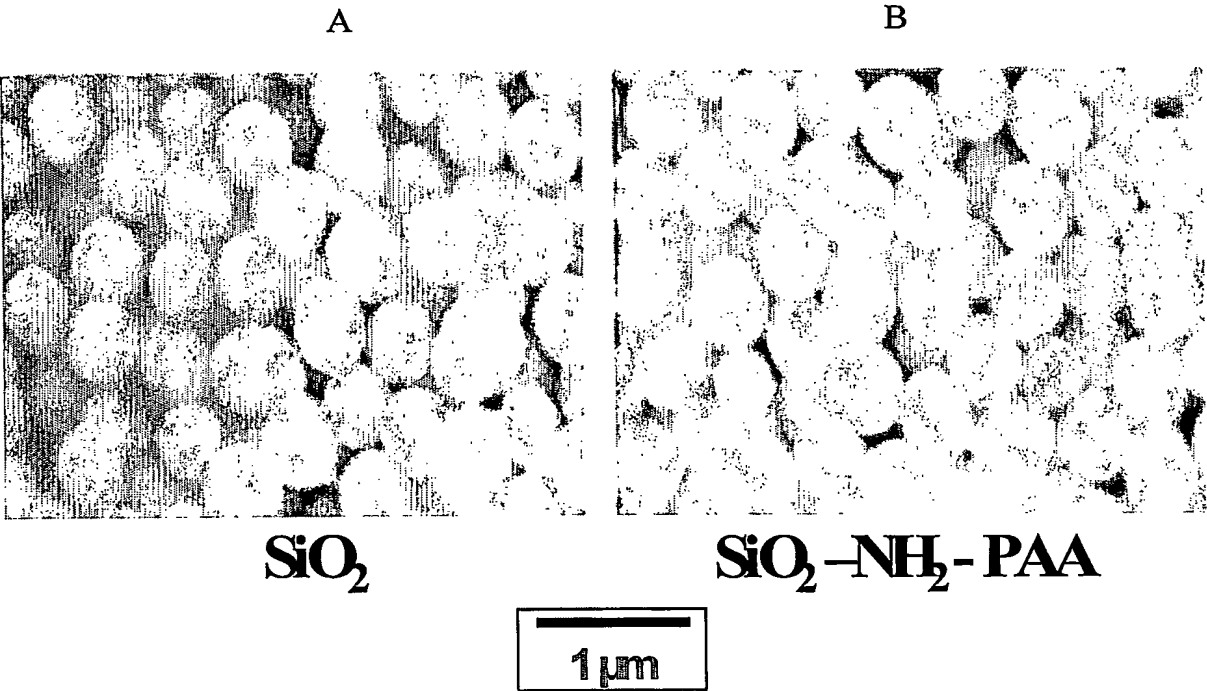


FIG. 3

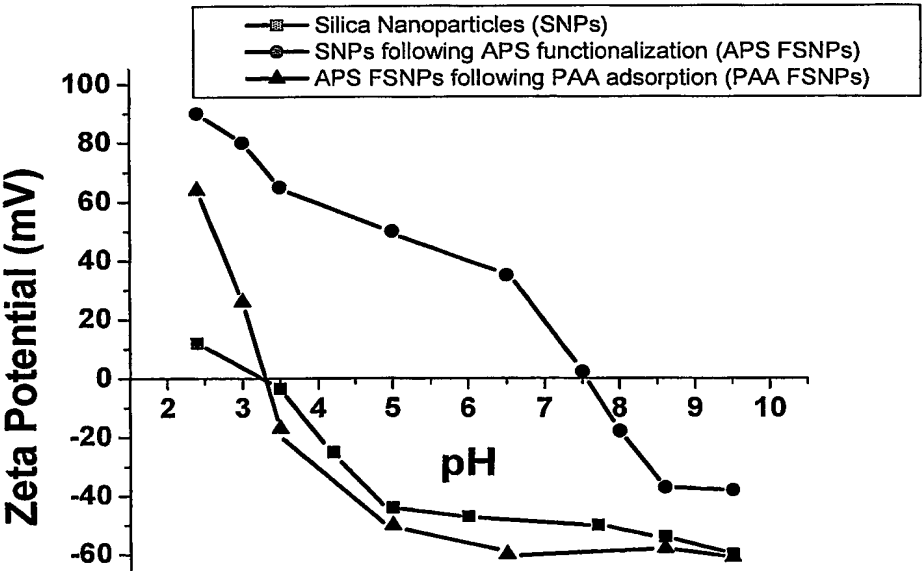
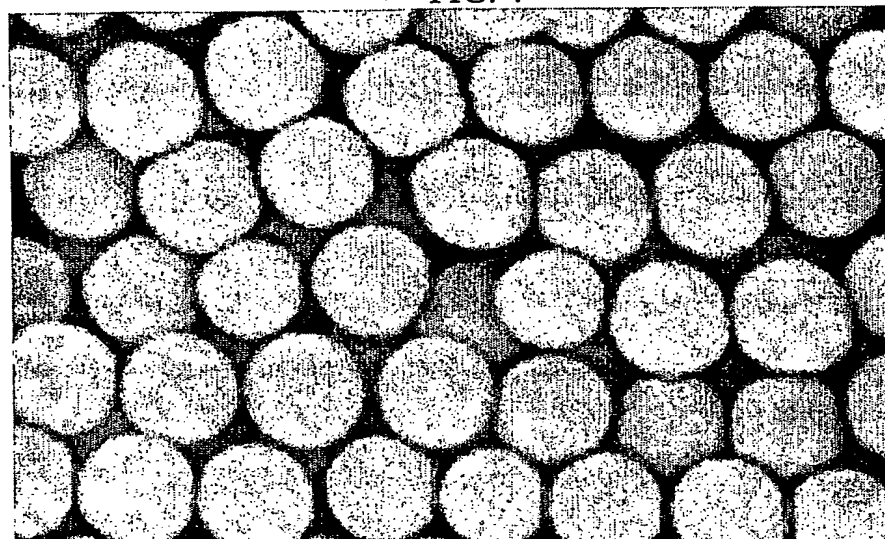


FIG. 4



**SiO<sub>2</sub>-NH<sub>2</sub>-PAA-Collagen**

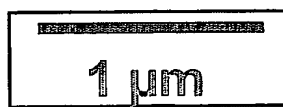


FIG. 5

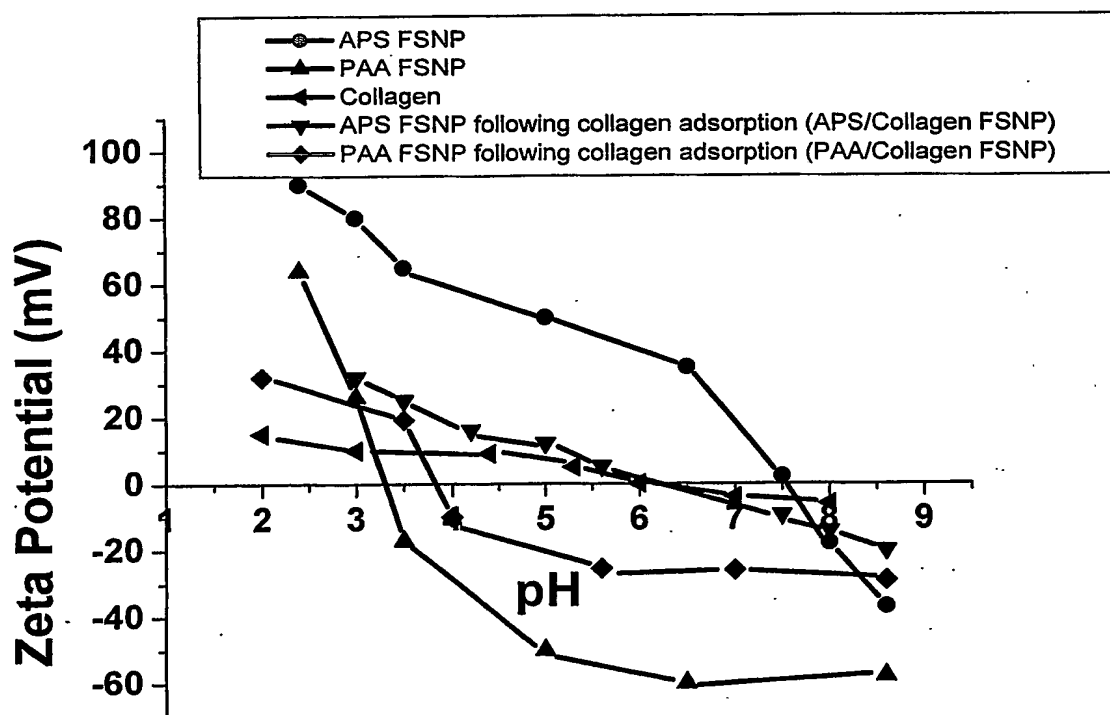


FIG. 6

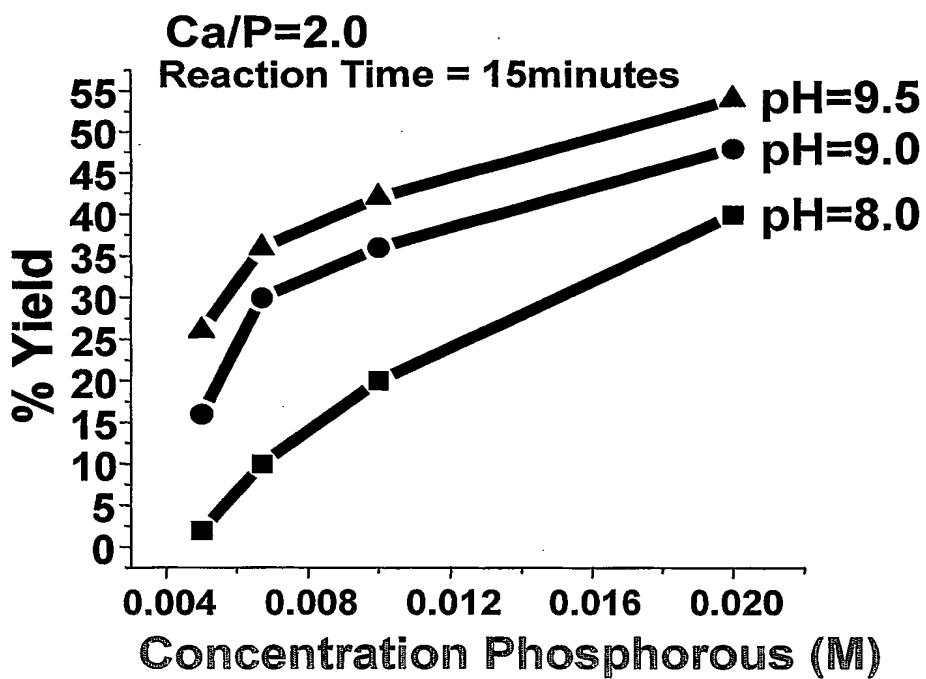
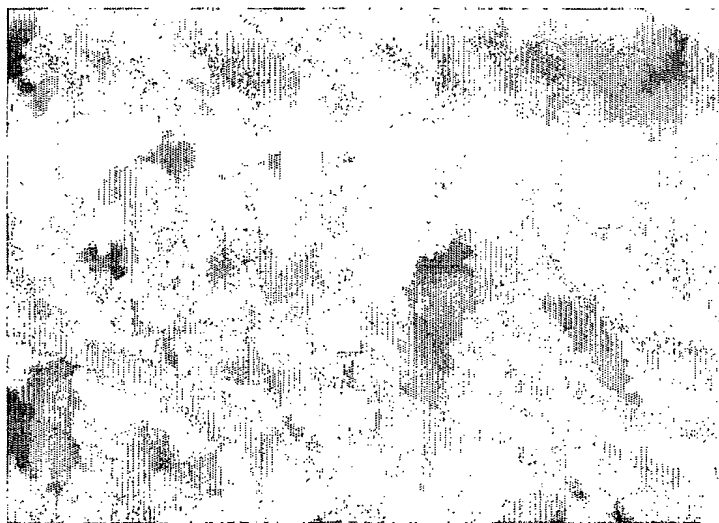


FIG. 7



1μm

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FIG. 8

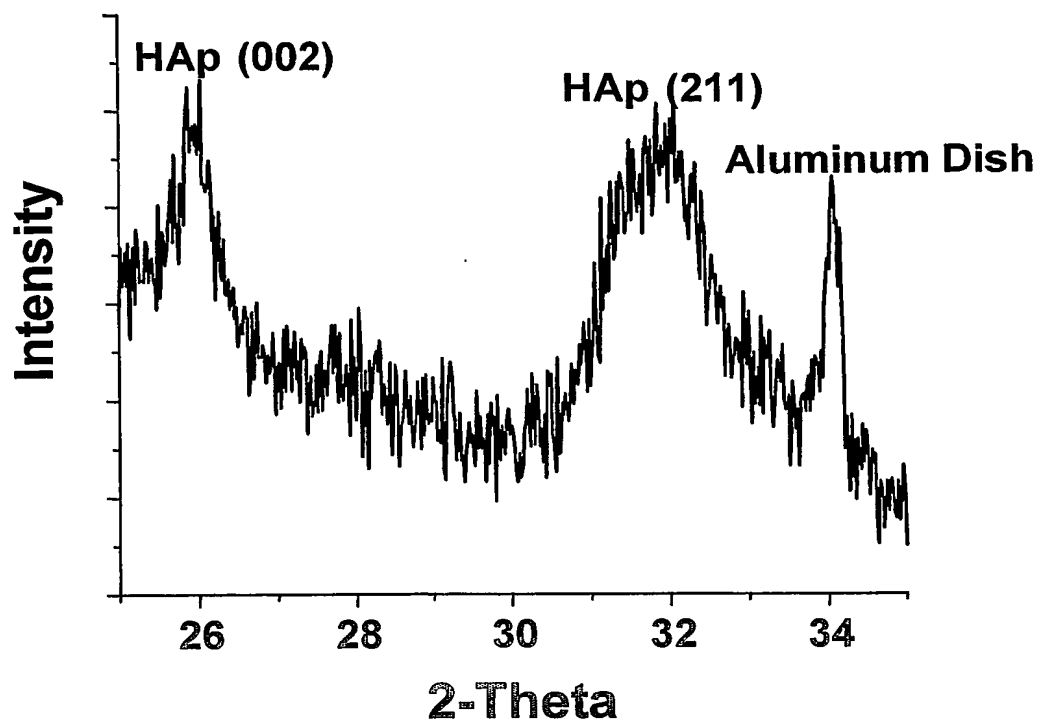
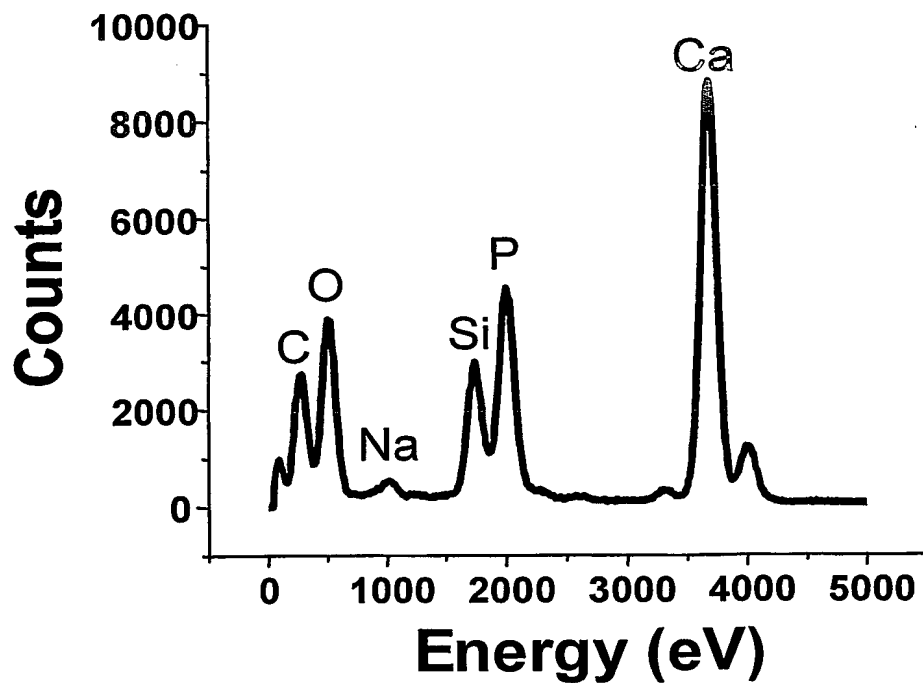


FIG. 9



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FIG. 10

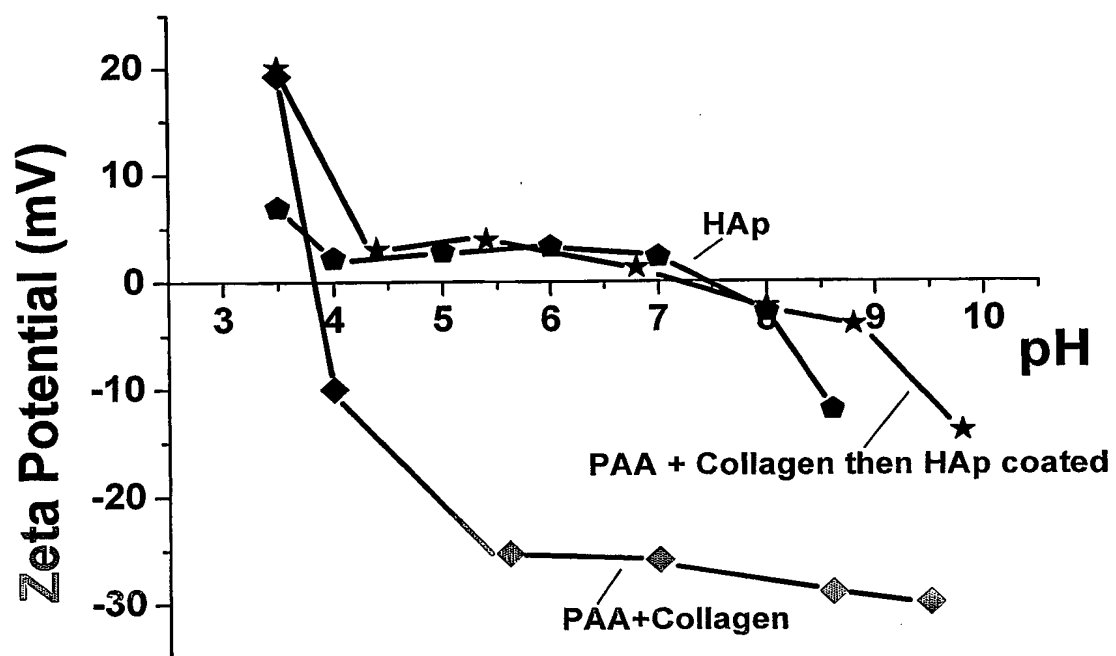
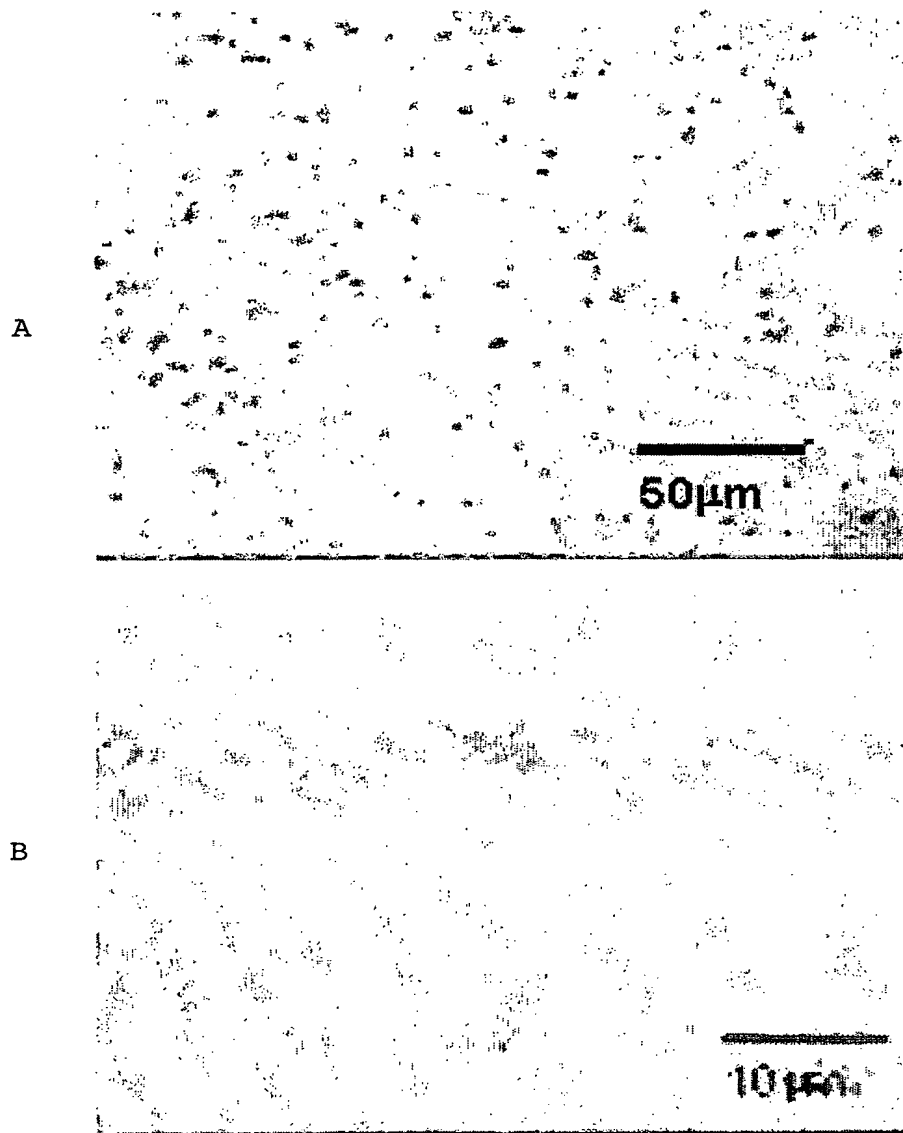


FIG. 11



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